

**Montana Department of Transportation
Helena, Montana 59620-1001**

Memorandum

To: Disribution

From: Mark A. Goodman, P.E. *mag*
Hydraulics Engineer

Date: March 29, 2004

Subject: Water Resources Investigations Report 03-4308:
USGS – Methods for Estimating Flood Frequency in Montana
Based on Data through Water Year 1998

Attached is your copy of the new USGS publication as noted above. This document supercedes the 1992 publication. Please begin using this document for all new projects and for current projects that have not had final hydrology approval. A few things to keep in mind:

Please read and familiarize yourself with this publication. As with the 1992 version, there may be some limitations, or other cautions in using the methods contained in this new version.

This new version includes channel-width regression analyses. There is also a discussion of weighted regression estimates. This is new and we may want to take some time to become familiar with this procedure.

Remember that this is only one tool in the hydrologic toolbox. We will continue to use the guidelines in Chapter 7 – Hydrology for all hydrology studies.

Do not discard your 1992 publication. You may need it when reviewing past projects.

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CONSULTANTS
TAKE
NOTE
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Note to Tom Martin, Consultant Design Bureau: Please notify all consultants that this new publication is available. We have only a limited number of copies, and cannot furnish copies to the consultants. They should get them either through the USGS, or the government printing outlets.

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Distribution:

Hydraulics Section (11 copies)
Tom Martin, P.E., Consultant Design Bureau Chief (1 copy)
Jim Nallick, MSU Design Unit (2 copies)
Janice Brown, FHWA (1 copy)
P.R.Ferry, P.E. (1 copy)